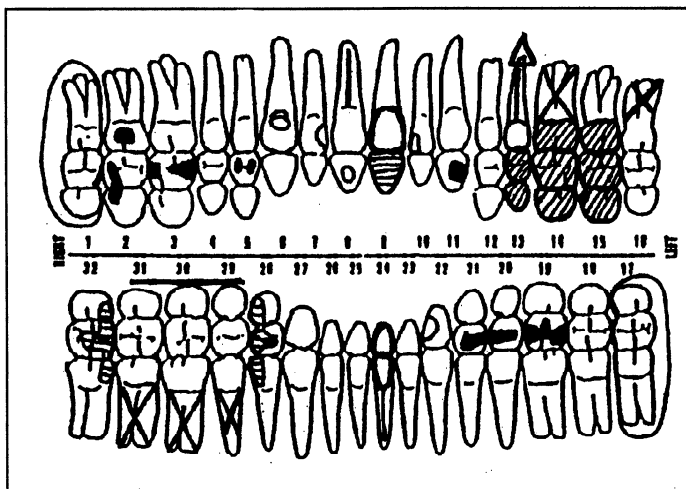


# ANTEMORTEM DENTAL RECORD

NAME: FROST, JACK, R SSN: 333-33-3333 RANK: LT, USN  
 SEX: M RACE: C AGE: 31 XRAY TYPE & DATE: B/W 10/97 Pano 01/96  
 EXAMINERS: A.B. SMITH, CAPT, DC, USN DATE RECONSTRUCTED: 12 DEC 97  
P.T. BOATE, CDR, DC, USN RECORD SUPPLIED BY: NDC Pensacola FL

## RESTORATIONS & MISSING TEETH



## DESCRIPTION/COMPUTER CODES

1. U
2. OL-AM, F-AM
3. MO-AM, DO-AM
4. PN
5. O.O-AM
6. F-CO
7. M-CO
8. L-IR, RF
9. CV
10. MI-CO
11. D-AM
12. PN
13. FP-CV, RF-AP
14. FP-X
15. FP-CF
16. X
17. U
18. MODL-C
19. MOD-AM
20. MO-AM
21. DO-AM
22. ML-CO
23. PN
24. CT-RF
25. PN
26. PN
27. PN
28. DOFL-GI
29. RP-X
30. RP-X
31. RP-X
32. MOFL-GI

AM AMALGAM	CF CROWN FULL
GI GOLD INLAY	CP CROWN PARTIAL
GF GOLD FOIL	CV CROWN VENEER
SS ANY OTHER METAL REST	FP FIXED PARTIAL
CO COMPOSITE RESIN	RP REMOVABLE PARTIAL
JM JAW FRAGMENT MISSING	CD COMPLETE DENTURE
TA TRAUMATIC AVULSION	M MESIAL
FX FRACTURED CROWN	D DISTAL
RT ROOT TIP	O OCCLUSAL
PN PRESENT NOT RESTORED	I INCISAL
RO ROTATED	F FACIAL
RF ROOT CANAL FILLING	L LINGUAL
AP APICOECTOMY	C CARIES
IR INTERMEDIATE REST	U UNERUPTED
CT CROWN TEMPORARY	X EXTRACTED

REMARKS: BILATERAL MANDIBULAR TORI

DTV21016

Figure 10-16.—Completed antemortem dental record form.



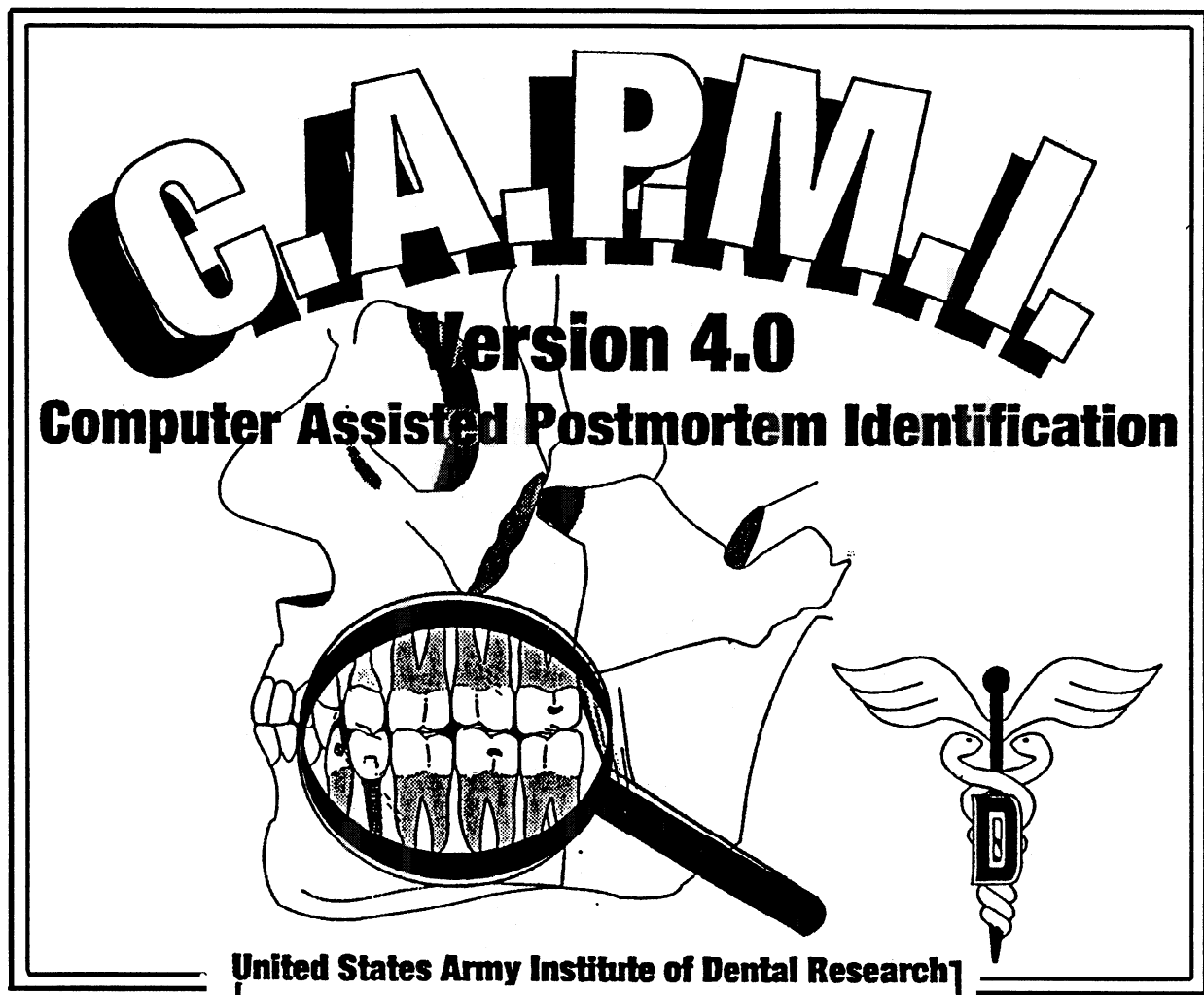
**Figure 10-17.—Reviewing antemortem dental records.**

numerical order on table by gender. Postmortem records of children may also be individually managed.

To provide quality control, provide the team leader of the forensic dentistry section the antemortem and postmortem dental records of potential positive ID established by the staff. The leader must reconstruct the positive dental ID. A dental identification form that summarizes the ID data can be completed at this

time. Figure 10-21 shows an example of a completed dental ID summary sheet.

This form is a tool in the decision-making and documentation process. It is used to provide rapid answers to questions when the team leader of the forensic dentistry section meets with the Identification Center chief at which time evidence regarding each case is presented. Only after all sections have



DTV2f018

Figure 10-18.—Computer Assisted Postmortem Identification (CAPMI).

presented their evidence and all inconsistencies have been explained or addressed should the Identification Center chief sign the case out as a positive ID. After the case has been signed out as a positive ID, the antemortem and postmortem dental records and associated evidence should be combined with the summary sheet into a single completed file. The antemortem composite dental record should be placed in the completed file only if the full dentition was present with the remains or if all dental/oral fragments have been recovered. If this is not the case and an additional oral fragment is recovered, the postmortem fragment may go unidentified since the necessary antemortem dental record was placed in the completed file. This mistake is made in almost every disaster. Please avoid it! In the consolidation process, the antemortem and postmortem dental radiographs that provided the conclusive evidence of the positive dental

identification should be photographed. These photographs or slides are indispensable for record keeping purposes and provide a superior method of displaying the evidence in court.

### **EQUIPMENT, SUPPLIES, AND FACILITIES**

The following equipment, supplies, and facilities as listed in Tables 10-1, 10-2, and 10-3 are recommended for use in forensic dental operations. The items mentioned below are only a recommended list. Most of the equipment and supplies can be maintained in a medium-size tackle box and canvas bags for immediate availability and easy transport to the ID site. Your command should plan to add or subtract items or change quantities according to your local requirements.



**Figure 10-19.—Postmortem dental records.**



**Figure 10-20.—Reviewing radiographs.**

# DENTAL IDENTIFICATION SUMMARY REPORT

NAME OF DECEASED FROST, JACK, R RECOVERY NUMBER A-97-3  
RANK: LT SEX: M RACE: C AGE: 31 SSN: 333-33-3333  
EXAMINERS: A. B. SMITH, CAPT, DC, USN DATE: 12DEC97 PLACE: NAS, PENSACOLA, FL  
P. T. BOATE, CDR, DC, USN

COMPARISON OF ANTEMORTEM AND POSTMORTEM DENTAL RECORDS AND RADIOGRAPHS REVEAL  
CONCORDANCE ON TEETH NUMBER (DESCRIBE FEATURE):

1 <u>-</u>	9 <u>-</u>	17 <u>-</u>	25 <u>-</u>
2 <u>OL-AM, F-AM</u>	10 <u>-</u>	18 <u>-</u>	26 <u>-</u>
3 <u>-</u>	11 <u>-</u>	19 <u>-</u>	27 <u>PN</u>
4 <u>PN</u>	12 <u>PN</u>	20 <u>-</u>	28 <u>DOFL-GI</u>
5 <u>O,O-AM</u>	13 <u>FP-CV, RF-AP</u>	21 <u>-</u>	29 <u>RP-X</u>
6 <u>-</u>	14 <u>FP-X</u>	22 <u>-</u>	30 <u>RP-X</u>
7 <u>-</u>	15 <u>FP-CF</u>	23 <u>-</u>	31 <u>RP-X</u>
8 <u>-</u>	16 <u>X</u>	24 <u>-</u>	32 <u>MOFL-GI</u>

REMARKS: BILATERAL MANDIBULAR TORI NOTED. NO UNRESOLVED, CONTRADICTORY FINDINGS.  
TEETH 3, 18 AND 19 TREATED BY CIVILIAN DENTIST NOVEMBER 1997.

FINDINGS (CIRCLE ONE): POSITIVE IDENTIFICATION CONSISTENT WITH UNIDENTIFIED  
SIGNATURE OF EXAMINERS: A.B. Smith P.T. Boate Mary (Chairman)  
FINDINGS CONFIRMED BY: Walter T. Doan (DENTAL TEAM LEADER)

DTV21021

Figure 10-21.—Dental identification summary sheet.

**Table 10-1.—Equipment for up to 50 casualties**

<b>DESCRIPTION</b>	<b>QUANTITY</b>
50 KVP Endo X-ray unit, portable, self-contained	1
Portable lead screens	4
X-ray badges	9
X-ray film processor, with daylight loader	1
Fiberoptic light	1
Surgical saw (autopsy)	1
Headlamps	2
X-ray view boxes	3
Slide duplicator	1
Extension cords, 50 ft	3
CAPMI software and computer	1
35mm camera	1
Camera with self-developing film	1
Security badges	15
File cabinets, 4 drawer	1
Tables or gurney carts	As needed

**Table 10-2.—Forensic Dentistry Kit (Supplies)**

<b>DESCRIPTION</b>	<b>QUANTITY</b>
35mm film, 36 exposure	10 rolls
Paper pads	10
Identification forms: Postmortem, Antemortem, and Summary reports	100 each
Tags with string or wire	125
Manila envelopes for case records	100
Masking tape	2 rolls
Stapler with staples	2
Large felt tip markers	12
Felt tip pens (black ink)	12
Plastic denture bags	1 box LG 1 box SM
Pencils	2 boxes
Clip boards	10
Paper cups	1 box

Table 10-2.—Forensic Dentistry Kit (Supplies)—Continued

DESCRIPTION	QUANTITY
Work gloves, leather	4 pairs
Scrub suits	20 pairs
Surgical gowns, disposable	30
Surgical gloves, sizes 7 1/2 & 8	3 boxes each
Surgical mask	1 box
Dental X-ray film, double exposure	10 boxes
Chemicals for film processing	as needed
Self-developing film	5 rolls
Magnifying glass	1
Loops	2
Sodium hypochlorite	1 gallon
Safety glasses	5
Flashlights	6
Handsaw	1
Straight and curved retractors	1 set
Scaple handles	4
Scaple #10, #15, #20	1 box each
Large scissors, surgical	2
Small scissors, surgical	2
Large hemostats	4
Mouth props, large and small	1 each
Tongue blades	1 box
Cotton applicators	1 box
Mouth mirrors	12
Explorers	12
Periodontal scalers	3
Cutting pliers	1
Straight pliers	1
Straight chisel	1
Mallet	1
Millimeter rule	3
Spatula, #7 wax	1
Disclosing solution	2 bottles
Hydrogen peroxide solution	1/2 gallon

**Table 10-2.—Forensic Dentistry Kit (Supplies)—Continued**

<b>DESCRIPTION</b>	<b>QUANTITY</b>
4 x 4 sponges	10 boxes
Toothbrushes	20
Computer terminal paper	1 box
Ribbon for terminal printer	1
Occlusal X-ray film	1 box
Soap, antibacterial	6 bottles
Towels	10
Scrub brushes	5
Rubber aprons	10
Trash can liners	1 box

**Table 10-3.—Office Facilities**

<b>Office facilities:</b> Room for antemortem records Room for postmortem records Postmortem exam area
<b>Access to:</b> Copy machine/computer Watts/DSN telephone lines Refrigeration